

**Iowa Department of Natural Resources  
Title V Operating Permit**

**Name of Permitted Facility: Cargill Soybean East Plant**

**Facility Location: 411 Sixth Street NE, Cedar Rapids, IA 52406**

**Air Quality Operating Permit Number: 99-TV-044R1**

**Expiration Date: September 10, 2008**

**EQ Number: 92-9015**

**Facility File Number: 57-01-003**

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**Responsible Official**

**Name: Jeff Moser**

**Title: Department Superintendent**

**Mailing Address: 411 Sixth Street, N.E., Cedar Rapids, Iowa 52406**

**Phone #: 319-399-4052**

**Permit Contact Person for the Facility**

**Name: Ron Dirks**

**Title: Project Engineer**

**Mailing Address: 411 Sixth Street, N.E., Cedar Rapids, Iowa 52406**

**Phone #: 319-399-4054**

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This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

**For the Director of the Department of Natural Resources**

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Douglas A. Campbell, Supervisor of Air Operating Permits Section

Date

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## Abbreviations

acfm.....	actual cubic feet per minute
ATI.....	authorization to install
CFR.....	Code of Federal Regulation
°F.....	degrees Fahrenheit
EIQ .....	emissions inventory questionnaire
gr./dscf.....	grains per dry standard cubic foot
gr./100 cf.....	grains per one hundred cubic feet
IAC.....	Iowa Administrative Code
IDNR.....	Iowa Department of Natural Resources
LCPH.....	Linn County Public Health
LCO.....	Linn County Ordinance
MVAC .....	motor vehicle air conditioner
NSPS.....	New Source Performance Standard
ppmv.....	parts per million by volume
PTO .....	permit to operate
lb./hr .....	pounds per hour
lb./MMBtu.....	pounds per million British thermal units
scfm.....	standard cubic feet per minute
TPY .....	Tons per year
USEPA.....	United States Environmental Protection Agency

## **Pollutants**

PM.....	particulate matter
PM <sub>10</sub> .....	particulate matter ten microns or less in diameter
SO <sub>2</sub> .....	sulfur dioxide
NO <sub>x</sub> .....	nitrogen oxides
VOC .....	volatile organic compound
CO .....	carbon monoxide
HAP .....	hazardous air pollutant

# I. Facility Description and Equipment List

Facility Name: **Cargill Soybean East Plant**

Permit Number: 99-TV-044R1

Facility Description: Soybean Oil/Meal

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## Equipment List

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<b>Emission Point Number</b>	<b>Associated Emission Unit (s) Number (s)</b>	<b>Associated Emission Unit Description</b>
<b>1</b>	<b>1</b>	<b>Grain Receiving (truck dump)</b>
<b>2</b>	<b>2</b>	<b>Grain Receiving (rail unload/transfer)</b>
<b>3</b>	<b>3</b>	<b>Grain Handling (bean handling/elevator)</b>
<b>5</b>	<b>5</b>	<b>Grain Drier</b>
<b>8</b>	<b>8</b>	<b>Flaking (Flaker Aspiration)</b>
<b>10</b>	<b>10</b>	<b>Extractor Feed Aspirators</b>
<b>17A</b>	<b>17N and S</b>	<b>South and North Rotary Meal Dryers</b>
<b>17B</b>	<b>17N</b>	<b>North Rotary Meal Dryer</b>
<b>17C</b>	<b>17S</b>	<b>South Rotary Meal Dryer</b>
<b>18</b>	<b>18</b>	<b>Meal Coolers (east and west)</b>
<b>19</b>	<b>19</b>	<b>Meal Grinding</b>
<b>20</b>	<b>20</b>	<b>Soybean Hull Aspiration and Cracking</b>
<b>21</b>	<b>21</b>	<b>Kice Hull Aspiration</b>
<b>25</b>	<b>25</b>	<b>Rail Meal Loadout Aspiration (dust collector)</b>
<b>26</b>	<b>26</b>	<b>Truck Hull Loadout Aspiration (dust collector)</b>
<b>30</b>	<b>30</b>	<b>Soybean Hull processing and Pellet Cooling Aspiration</b>
<b>31</b>	<b>31</b>	<b>Soybean Transferring</b>
<b>34</b>	<b>34</b>	<b>Meal Tank #3 Vent</b>
<b>35</b>	<b>35</b>	<b>Meal Tank #4 Vent</b>
<b>36</b>	<b>36</b>	<b>Meal Tank #5 Vent</b>
<b>37</b>	<b>37</b>	<b>Meal Tank #6 Vent</b>
<b>40</b>	<b>40</b>	<b>Grain Dryer Aspiration Dust Collector</b>
<b>41</b>	<b>41</b>	<b>Housekeeping Prep Vacuum Cleaning</b>
<b>42</b>	<b>42</b>	<b>Clay Tank Aspiration (control dust when filing clay)</b>
<b>43</b>	<b>43</b>	<b>44 Truck Load-out</b>
<b>44</b>	<b>44</b>	<b>48 Truck Load-out</b>
<b>11</b>	<b>11</b>	<b>Emergency Vent</b>
<b>12</b>	<b>12</b>	<b>Hexane Scrubber</b>

## II. Plant-Wide Conditions

Facility Name: **Cargill Soybean East Plant**  
Permit Number: 99-TV-044R1

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

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### Permit Duration

The term of this permit is: less than 5 years  
Commencing on: September 11, 2003  
Ending on: September 10, 2008

Amendments, modifications and reopening of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

This permit has been renewed as part of a settlement agreement between Cargill's Soybean East Plant and the IDNR, as set out in Administrative Consent Order No. 2003-AQ-25. The permit was evaluated for CAM applicability for affected points. See Appendix A for a copy of the consent agreement.

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### Plant-Wide Emission Limits

*The atmospheric emissions from the plant as a whole shall not exceed the following:*

The following emission limit sets a facility-wide cap for VOC emissions associated with the soy oil extraction process. This included all permitted point source and non-point source fugitive emissions.

Pollutant: Volatile Organic Compounds (VOC) <sup>(1)</sup>

Emission Limit: 630 tons per year

Authority for Requirement: LCPH ATI 1977 / PTO 4454  
LCPH ATI 218 / PTO 4455

<sup>(1)</sup> This is a facility-wide limit for solvent loss associated with the Solvent Extraction for the Vegetable Oil Production Plant. The solvent loss limit encompasses all sources of solvent loss, i.e., purging of hexane vapors (EP11), soybean oil extraction (EP12), rotary mean dryers (EP17), meal coolers (EP18), meal grinding and sifting (EP19), rail meal loadout (EP25), meal tanks 3, 4, 5 and 6 (EP34-37), meal truck loadouts (EP42 and 44) and fugitive losses. Compliance with the 630 tpy limit is determined on a mass balance approach (See Operating Limits and Operating Condition Monitoring and Recordkeeping sections).

Pollutant: Plant-wide Single Hazardous Air Pollutant (HAP) <sup>(2)</sup>

Emission Rate: 9.4 tons/yr

Authority for Requirement: LCPH ATI 1977 / PTO 4454  
LCPH ATI 218 / PTO 4455

Pollutant: Plant-wide Total Hazardous Air Pollutants (HAPs) <sup>(2)</sup>

Emission Rate: 24.4 tons/yr

Authority for Requirement: LCPH ATI 1977 / PTO 4454

LCPH ATI 218 / PTO 4455

<sup>(2)</sup> Limit requested by Cargill to limit the VHAP emissions under the major source thresholds for HAP emissions. The limits were requested to avoid being subject to the NESHAP, Subpart GGGG – Solvent Extraction for Vegetable Oil Production.

### **Plant-Wide Operating Limits**

- Plant-wide HAPs shall not exceed 9.4 tons for any single HAP and 24.4 tons for all HAPs for twelve -month rolling total.
- The maximum VOC content of the solvent shall not exceed 5.65 lbs/gallon.
- The maximum VHAP content of any solvent shall not exceed 0.0843 pounds per gallon.
- The maximum solvent usage shall not exceed 223,009 gallons per twelve-month rolling total.

Authority for Requirement: LCPH ATI 1977 / PTO 4454

LCPH ATI 218 / PTO 4455

### **Plant-Wide Operating Condition Monitoring and Record keeping**

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. The owner/operator shall maintain the following records:

- Record on a monthly basis the total solvent usage in gallons. Beginning the first full month after permit issuance, Cargill will total the 12-month rolling total by using the first month after permit issuance plus the previous 11-month totals.
- Calculate the record rolling 12-month totals for total solvent usage in gallons.
- Record the VOC and VHAP content of the solvent upon each new shipment of solvent to the facility in pounds per gallon.
- Material Safety Data Sheets showing the VOC and HAP content of the solvents used in the extraction process.
- The total amount of soybeans processed, in tons for each month.
- The total amount of soybeans processed, in tons per twelve-month rolling total.

Authority for Requirement: LCPH ATI 1977 / PTO 4454

LCPH ATI 218 / PTO 4455

### **Plant-Wide Quarterly Report Requirements**

The following information shall be submitted to this department by the 15<sup>th</sup> of each month for the previous quarter (January 15, April 15, July 15, and October 15).

- Submit a quarterly report summarizing total solvent usage in gallons for each month.
- Submit a quarterly report summarizing total solvent usage in gallons per twelve-month rolling total.

Authority for Requirement: LCPH ATI 1977 / PTO 4454

LCPH ATI 218 / PTO 4455

40 CFR 70.6 (a)(3)

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*Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:*

Opacity (visible emissions): 20% opacity  
Authority for Requirement: LCO 10.7

Sulfur Dioxide (SO<sub>2</sub>): 500 parts per million by volume  
Authority for Requirement: 567 IAC 23.3(3)"e"  
LCO 10.12(2)

Particulate Matter (state enforceable only)<sup>1</sup>:

No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.

For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).

Authority for Requirement: 567 IAC 23.3(2)"a" (as revised 7/21/1999)

Particulate Matter (federally enforceable)<sup>2</sup>:

The emission of particulate matter from any process shall not exceed the amount determined from Table I, except as provided in 567 — 21.2(455B), 23.1(455B), 23.4(455B) and 567 — Chapter 24. If the director determines that a process complying with the emission rates specified in Table I is causing or will cause air pollution in a specific area of the state, an emission standard of 0.1 grain per standard cubic foot of exhaust gas may be imposed.

Authority for Requirement: 567 IAC 23.3(2)"a" (prior to 7/21/1999)

Particulate Matter: No person shall permit, cause, suffer or allow the emission of particulate matter into the atmosphere in any one hour from any emission point from any process equipment at a rate in excess of that specified in Table I for the process weight rate allocated to such emission point. The emission standards in LCO 10.9 (1)"a" shall apply and those specified in LCO 10.8 and 10.9 and Table I shall not apply to each process of the types listed in those sections, with the following exception: whenever the compliance status, history of operations, ambient air quality in the vicinity, or the type of control equipment utilized, would warrant maximum control, the Air Pollution Control Officer may enforce 0.1 grain per standard cubic foot of exhaust gas, or Table I of this section, whichever would result in the lowest allowable emission rate.

Authority for Requirement: LCO 10.9(1)

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<sup>1</sup> This is the current language in the Iowa Administrative Code (IAC). This version of the rule is awaiting EPA approval to become part of Iowa's State Implementation Plan (SIP). When EPA approves this rule, it will replace the older version and will be considered federally enforceable.

<sup>2</sup> This is the current language in the Iowa SIP, and is enforceable by EPA.

Fugitive Dust: Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.

Authority for Requirement: 567 IAC 23.3(2)"c"  
LCO 10.13

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### **Compliance Plan**

*The owner/operator shall comply with the applicable requirements listed below. The compliance status is based on information provided by the applicant.*

Unless otherwise noted in Section III of this permit, Cargill Soybean East Plant is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which become effective during the permit term, Cargill Soybean East Plant shall comply with such requirements in a timely manner.

Authority for Requirement: 567 IAC 22.108(15)



### III. Emission Point-Specific Conditions

Facility Name: **Cargill Soybean East Plant**  
Permit Number: **99-TV-044R1**

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#### **Emission Point ID Number: 1**

##### Associated Equipment

Associated Emission Unit ID Number: 1  
Emissions Control Equipment: 1  
Emissions Control Equipment Description: Fabric Filter

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#### **Applicable Requirements**

Emission Unit vented through this Emission Point: 1  
Emission Unit Description: Grain Receiving  
Raw Material/Fuel: Soybean  
Rated Capacity: 450 tons/hr

##### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity  
Emission Limit(s): 0%  
Authority for Requirement: 40 CFR 60.302(b)(2) Subpart DD  
567 IAC 23.1(2) ooo  
LCO10.9 (2) a (67)

Pollutant: Particulate Matter  
Emission Limit(s): 1.7 lbs/hr  
Authority for Requirement: LCPH ATI 2680 / PTO 2635

Pollutant: Particulate Matter  
Emission Limit(s): 0.01 gr./dscf  
Authority for Requirement: 40 CFR 60.302 (b)(1) Subpart DD  
567 IAC 23.1(2) ooo  
LCO10.9 (2) a (67)

## **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

### **Work Practice Standards:**

Airflow shall be limited to 10,000 cfm for this unit.

Authority for Requirement: LCPH ATI 2680 / PTO 2635

### **NSPS Requirements:**

Method 9 and the procedures in 40 CFR 60.11(b) shall be used to determine opacity. The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. 40 CFR 60.11(c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40 CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1(2)

## **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity (>0 %) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the

day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Maintain a written record of the observation and any action resulting from the observation.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 2**

### Associated Equipment

Associated Emission Unit ID Number: 2

Emissions Control Equipment: 2

Emissions Control Equipment Description: Fabric Filter

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 2

Emission Unit Description: Grain Receiving

Raw Material/Fuel: Soybean

Rated Capacity: 300 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 5%

Authority for Requirement: LCPH ATI 4121 / PTO 4102  
40 CFR 60.302(b)(2) Subpart DD  
567 IAC 23.1(2) ooo  
LCO10.9 (2) a (67)

Pollutant: PM-10

Emission Limit(s): 0.01 gr/scf, 1.12 lb/hr, 4.92 tpy

Authority for Requirement: LCPH ATI 4121 / PTO 4102

Pollutant: Particulate Matter

Emission Limit(s): 0.01 gr./dscf

Authority for Requirement: 40 CFR 60.302(b)(2) Subpart DD  
567 IAC 23.1(2) ooo  
LCO10.9 (2) a (67)

#### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Control Device:**

A bag filter dust collector shall be maintained on this source in a good operating condition. A preventative maintenance plan shall be followed to ensure continued compliance with the emission limits of this permit.

This source shall have a pressure drop gauge installed in an easily accessible area. This gauge shall be maintained in a good operating condition at all times.

Authority for Requirement: LCPH ATI 4121 / PTO 4102

**Operating Limits:**

- Airflow to the baghouse shall be limited to 13,100 scfm. Any change in airflow shall be evaluated according to Linn County Ordinance 10.5.
- The maximum unloading process rate shall be limited to 10,000 Bu/hr or 300 tons/hr.
- The source shall be maintained so no fugitive dust is generated at the point of unloading and/or any other point throughout the process.

Authority for Requirement: LCPH ATI 4121 / PTO 4102

**Monitoring Requirements:**

The following shall be monitored:

- Pressure drop reading across dust collector
- Visible emissions/opacity

All monitors shall be easily accessible to air pollution control personnel.

Authority for Requirement: LCPH ATI 4121 / PTO 4102

**Record keeping Requirements:**

A logbook of operations for this source shall be maintained. The following information shall be recorded and kept on site for a period of no less than five years.

- Daily pressure drop readings
- Weekly opacity observations
- Copies of emission test results shall be retained until a new approved representative test is conducted or for 5 years, whichever is longer.

These records shall be available on site for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 4121 / PTO 4102

**NSPS Requirements:**

Method 9 and the procedures in 40 CFR 60.11(b) shall be used to determine opacity. The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. 40 CFR 60.11(c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40 CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1(2)

## **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >5% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 3**

### Associated Equipment

Associated Emission Unit ID Number: 3

Emissions Control Equipment: 3

Emissions Control Equipment Description: Fabric Filter

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 3

Emission Unit Description: Grain Handling

Raw Material/Fuel: Soybean

Rated Capacity: 750 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 0%

Authority for Requirement: 40 CFR 60.302(b)(2) Subpart DD  
567 IAC 23.1(2) ooo  
LCO10.9 (2) a (67)

Pollutant: PM-10

Emission Limit(s): 1.46 lbs/hr, 6.38 tpy

Authority for Requirement: LCPH ATI 3256 / PTO 3207

Pollutant: Particulate Matter

Emission Limit(s): 0.01 gr./dscf

Authority for Requirement: 40 CFR 60.302(b)(2) Subpart DD  
567 IAC 23.1(2) ooo  
LCO10.9 (2) a (67)

#### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **NSPS Requirements:**

Method 9 and the procedures in 40 CFR 60.11(b) shall be used to determine opacity. The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. 40 CFR 60.11(c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution

control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40 CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1(2)

**Work practice standards:**

Air flow to the baghouse shall be limited to 8500 dscfm. Any increase in airflow would be considered a major modification and would necessitate a new ATI.

Authority for Requirement: LCPH ATI 3256 / PTO 3207

**Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

**Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity (>0 %) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Maintain a written record of the observation and any action resulting from the observation.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?**

Yes ☐ No ☒



**Facility Maintained Operation & Maintenance Plan Required?**

Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?**

Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 5**

### Associated Equipment

Associated Emission Unit ID Number: 5

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 5

Emission Unit Description: Grain Dryer

Raw Material/Fuel: Soybean

Rated Capacity: 150 tons/hr

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 0 %

Authority for Requirement: LCPH ATI 2623 / PTO 4457  
40 CFR 60.302(b)(2) Subpart DD  
567 IAC 23.1(2) ooo  
LCO10.9 (2) a (67)

Pollutant: PM-10

Emission Limit(s): 0.1 gr/dscf, 10.17 lb/hr

Authority for Requirement: LCPH ATI 2623 / PTO 4457

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf, 10.17 lb/hr

Authority for Requirement: LCPH ATI 2623 / PTO 4457

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Operating Limits:**

- The column dryer shall have column plate perforations not to exceed 2.4 mm in diameter (ca. 0.094 inch).
- The use of the bean pre-cleaner system (EP#40, Grain Dryer Aspiration Dust Collector) is required whenever the dryer is in use.
- The process rate for this source shall be limited to a weekly average not to exceed 5000 bushels/hour.

Authority for Requirement: LCPH ATI 2623 / PTO 4457

**Opacity Monitoring:**

Opacity shall be observed on a weekly basis to ensure no visible emissions during the material handling operation of the unit. If visible emissions are observed this would be a violation and corrective action will be taken as soon as possible, but no later than eight (8) hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2 hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: LCPH ATI 2623 / PTO 4457

**Operating Condition Monitoring and Record keeping:**

A log of operation shall be maintained for the operation of the above listed unit.

- Weekly opacity observations when in use and any action resulting from the observation.
- Weekly average process rate (bushels/hr)

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

Authority for Requirement: LCPH ATI 2623 / PTO 4457

**Quarterly Reporting Requirements:**

The following information shall be submitted to this department by the 15<sup>th</sup> of each month for the previous quarter (January 15, April 15, July 15, and October 15).

- Submit a quarterly report summarizing the weekly average process rate (bushels/hr) based on a 12-month rolling average.

Authority for Requirement: LCPH ATI 2623 / PTO 4457

**NSPS Requirements:**

Method 9 and the procedures in 40 CFR 60.11(b) shall be used to determine opacity. The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. 40 CFR 60.11(c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40 CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1(2)

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height (ft, from ground): 60

Discharge Style: Wall Vent

Stack Opening (inches, diameter): 204" x 48"

Exhaust Temperature (°F): 110 °F

Exhaust Flowrate (acfm): 40,000

Authority for Requirement: LCPH ATI 2623 / PTO 4457

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the mission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

**Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

Periodic Monitoring is not required at this time.

**Agency Approved Operation & Maintenance Plan Required?**      Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?**      Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?**      Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 8**

### Associated Equipment

Associated Emission Unit ID Numbers: 8

Emissions Control Equipment:

Emissions Control Equipment: Product Recovery Cyclone

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 8

Emission Unit Description: Flaking

Raw Material/Fuel: Soybeans

Rated Capacity: 115 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"(2)  
LCO 10.9(1)"a"

#### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

#### **Stack Testing:**

Pollutant – PM

1st Stack Test to be Completed by – 9/1/2004

Test Method – Iowa Compliance Sampling Manual

Authority for Requirement – 567 IAC 22.108 (3)

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a

violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 10**

### Associated Equipment

Associated Emission Unit ID Numbers: 10

Emissions Control Equipment:

Emissions Control Equipment Description: Product Recovery Cyclone

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 10

Emission Unit Description: Extractor Feed Aspirators

Raw Material/Fuel: Soybean

Rated Capacity: 115 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"(2)

LCO 10.9(1)"a"

#### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

#### **Stack Testing:**

Pollutant – PM

Stack Test to be Completed by (date) – 9/1/2004

Test Method – Iowa Compliance Sampling Manual or approved alternatives

Authority for Requirement – 567 IAC 22.108 (3)

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a

violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)



## **Emission Point ID Number: 17A**

### Associated Equipment

Associated Emission Unit ID Numbers: 17N and 17S

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### **Applicable Requirements**

Emission Unit vented through this Emission Point 17A: 17N and 17S

Emission Unit Description: North and South Rotary Meal Dryers

Raw Material/Fuel: Soybean Meal

Rated Capacity: 96 tons/hr

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20 %

Authority for Requirement: LCO 10.7

Pollutant: PM-10

Emission Limit(s): 0.1 gr./dscf

Authority for Requirement: LCPH ATI 3441 / PTO 3208

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr./dscf

Authority for Requirement: 567 IAC 23.3(2) "a"

LCO 10.9(1) "a"

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

### **Work practice standards:**

The flows from the three stacks shall all be natural drafts and shall not exceed the following limits:

Emission Point 17A: 1924 dscfm

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Authority for Requirement: LCPH ATI 3441 / PTO 3208

### **Monitoring Requirements**

*The owner/operator of the unit shall comply with the monitoring requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 17B**

### Associated Equipment

Associated Emission Unit ID Number: 17N

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### **Applicable Requirements**

Emission Unit vented through this Emission Point 17B: 17N

Emission Unit Description: North Rotary Meal Dryer

Raw Material/Fuel: Soybean Meal

Rated Capacity: 96 tons/hr

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20 %

Authority for Requirement: LCO 10.7

Pollutant: PM-10

Emission Limit(s): 0.1 gr./dscf

Authority for Requirement: LCPH ATI 3441 / PTO 3208

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr./dscf

Authority for Requirement: 567 IAC 23.3(2) "a"

LCO 10.9(1) "a"

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Work practice standards:**

The flows from the three stacks shall all be natural drafts and shall not exceed the following limits:

Emission Point 17B: 1216 dscfm

Authority for Requirement: LCPH ATI 3441 / PTO 3208

### **Monitoring Requirements**

*The owner/operator of the unit shall comply with the monitoring requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 17C**

### Associated Equipment

Associated Emission Unit ID Number: 17S

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### **Applicable Requirements**

Emission Unit vented through this Emission Point 17C: 17S

Emission Unit Description: South Rotary Meal Dryer

Raw Material/Fuel: Soybean Meal

Rated Capacity: 96 tons/hr

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20 %

Authority for Requirement: LCO 10.7

Pollutant: PM-10

Emission Limit(s): 0.1 gr./dscf

Authority for Requirement: LCPH ATI 3441 / PTO 3208

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr./dscf

Authority for Requirement: 567 IAC 23.3(2) "a"

LCO 10.9(1) "a"

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Work practice standards:**

The flows from the three stacks shall all be natural drafts and shall not exceed the following limits:

Emission Point 17C: 382 dscfm.

Authority for Requirement: LCPH ATI 3441 / PTO 3208

### **Monitoring Requirements**

*The owner/operator of the unit shall comply with the monitoring requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 18**

### Associated Equipment

Associated Emission Unit ID Numbers: 18

Emissions Control Equipment: 18

Emissions Control Equipment Description: Product Recovery Cyclone

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### **Applicable Requirements**

Emission Unit vented through this Emission Point 18

Emission Unit Description: Meal Cooler

Raw Material/Fuel: Soybean Meal

Rated Capacity: 96 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: LCPH ATI 575 / PTO 493

#### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week

have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)



## **Emission Point ID Number: 19**

### Associated Equipment

Associated Emission Unit ID Numbers: 19

Emissions Control Equipment: 19

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 19

Emission Unit Description: Meal Grinding

Raw Material/Fuel: Soybean Meal

Rated Capacity: 96 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 2.66 lbs/hr

Authority for Requirement: LCPH ATI 2630 / PTO 2469

#### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Work practice standards:**

Air flow to the baghouse shall be limited to 15500 cfm.

Authority for Requirement: LCPH ATI 2630 / PTO 2469

## **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 20**

### Associated Equipment

Associated Emission Unit ID Numbers: 20

Emissions Control Equipment: 20

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 20

Emission Unit Description: Soybean Hull Aspiration and Cracking

Raw Material/Fuel: Soybean Hulls and Dust

Rated Capacity: 107.25 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 0.02 gr/scf, 2.14 lbs/hr, 9.4 tpy

Authority for Requirement: LCPH ATI 3063 / PTO 3045

#### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Work practice standards:**

Air flow to the baghouse shall be limited to 12,500 scfm.

Authority for Requirement: LCPH ATI 3063 / PTO 3045

#### **Reporting and Record Keeping:**

Annual soybean hull throughputs shall be recorded and reported for the total emission calculation use.

Authority for Requirement: 40 CFR 70.6 (a) (3)

### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 21**

### Associated Equipment

Associated Emission Unit ID Numbers: 21

Emissions Control Equipment: 21

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 21

Emission Unit Description: Kice Hull Aspiration

Raw Material/Fuel: Soybean Hulls

Rated Capacity: 87.5 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 0.86 lbs/hr

Authority for Requirement: LCPH ATI 2474 / PTO 2367

#### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

**Hours of Operation:** 168 hrs per week

Authority for Requirement: LCPH ATI 2474 / PTO 2367

## **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 25**

### Associated Equipment

Associated Emission Unit ID Numbers: 25

Emissions Control Equipment: 25

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 25

Emission Unit Description: Rail Load out Aspiration

Raw Material/Fuel: Soybean Meal

Rated Capacity: 97 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 10%

Authority for Requirement: LCPH ATI 3637 / PTO 3506

Pollutant: PM-10

Emission Limit(s): 0.02 gr./dscf, 0.34 lbs/hr

Authority for Requirement: LCPH ATI 3637 / PTO 3506

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirements: 567 IAC 23.3(2)"a"(2)  
LCO 10.9(1)"a"

#### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Control Device:**

A bag filter dust collector shall be maintained on this source in a good operating condition. A preventative maintenance plan shall be followed to ensure continued compliance with the emission limit in this permit.

Authority for Requirement: LCPH ATI 3637 / PTO 3506

**Operating Limits:**

- Airflow to the baghouse shall be limited to 2000 scfm. Any increase in airflow would be considered a major modification and would necessitate a new ATI permit.
- The source shall be maintained so no fugitive dust is generated at the point of loading and/or any other point throughout the process.

Authority for Requirement: LCPH ATI 3637 / PTO 3506

**Compliance Monitoring:**

The following information shall be monitored:

- Daily pressure drop readings and/or visual check.

All monitors shall be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 3637 / PTO 3506

**Reporting & Record keeping:**

A logbook of operations for this source shall be maintained. The following information shall be recorded and kept on site for a period of no less than five (5) years.

- Daily pressure drop readings and /or visual check

These records shall be available on site for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 3637 / PTO 3506

**Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

**Stack Testing:**

Pollutant – PM

1st Stack Test to be Completed by (date) – 9/1/2004

Test Method – Iowa Compliance Sampling Manual or approved alternatives

Authority for Requirement – 567 IAC 22.108 (3)

**Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >10% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week



have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 26**

### Associated Equipment

Associated Emission Unit ID Numbers: 26

Emissions Control Equipment: 26

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 26

Emission Unit Description: Truck Load out Aspiration

Raw Material/Fuel: Soybean Hulls

Rated Capacity: 60 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 2.06 lb/hr

Authority for Requirement: LCPH ATI 2626 / PTO 2470

#### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

**Hours of Operation:** 80 hours per week.

Authority for Requirement: LCPH ATI 2626 / PTO 2470

#### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in

the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 30**

### Associated Equipment

Associated Emission Unit ID Numbers: 30

Emissions Control Equipment: 30

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 30

Emission Unit Description: Pellet Cooling Aspiration

Raw Material/Fuel: Soybean Meals

Rated Capacity: 25 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 2.4 lbs/hr

Authority for Requirement: LCPH ATI 2656 / PTO 2634

#### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Work Practice Standards:**

The flow rate at this emission point shall be limited at 14,000 cfm.

Authority for Requirement: LCPH ATI 2656 / PTO 2634

## **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 31**

### Associated Equipment

Associated Emission Unit ID Numbers: 31

Emissions Control Equipment: 31

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 31

Emission Unit Description: Soybean Transferring

Raw Material/Fuel: Soybean

Rated Capacity: 210 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 0%

Authority for Requirement: LCPH ATI 974 / PTO 1475  
40 CFR 60.302(b)(2) Subpart DD  
567 IAC 23.1(2) ooo  
LCO10.9 (2) a (67)

Pollutant: PM-10

Emission Limit(s): 0.01 gr/dscf

Authority for Requirement: LCPH ATI 974 / PTO 1475

Pollutant: Particulate Matter

Emission Limit(s): 0.01 gr/dscf

Authority for Requirement: 40 CFR 60.302(b)(2) Subpart DD  
567 IAC 23.1(2) ooo  
LCO 10.9(2) a (67)

#### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Control Device:**

A bag filter dust collector shall be maintained on this source in a good operating condition. A preventative maintenance plan shall be followed to ensure continued compliance with the emission limits stated above.

This source shall have a pressure drop gauge for the baghouse in an easily accessible area. This gauge shall be maintained in a good operating condition at all times.

Authority for Requirement: LCPH ATI 974 / PTO 1475

**Operating Limits:**

Airflow to the baghouse shall be limited to 9,100 dscfm. Any increase in airflow would be considered a modification and would necessitate a new authorization to install permit.

The maximum process rate for this source shall be limited to 210 tons/hr.

Authority for Requirement: LCPH ATI 974 / PTO 1475

**NSPS Requirements:**

Method 9 and the procedures in 40 CFR 60.11(b) shall be used to determine opacity. The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. 40 CFR 60.11(c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40 CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1(2)

**Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

**Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity (>0 %) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the

day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Maintain a written record of the observation and any action resulting from the observation.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)



## **Emission Point ID Number: 34**

### Associated Equipment

Associated Emission Unit ID Number: 34

Emissions Control Equipment: 34

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 34

Emission Unit Description: Meal Tank #3

Raw Material/Fuel: Soybean Meal

Rated Capacity: 87 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 0.14 lb/hr

Authority for Requirement: LCPH ATI 2618 / PTO 2466

#### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week

have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 35**

### Associated Equipment

Associated Emission Unit ID Number: 35

Emissions Control Equipment: 35

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 35

Emission Unit Description: Meal Tank #4

Raw Material/Fuel: Soybean Meal

Rated Capacity: 97 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 0.14 lb/hr

Authority for Requirement: LCPH ATI 2619 / PTO 2465

#### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week

have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 36**

### Associated Equipment

Associated Emission Unit ID Number: 36

Emissions Control Equipment: 36

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 36

Emission Unit Description: Meal Tank #5

Raw Material/Fuel: Soybean Meal

Rated Capacity: 87 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 0.14 lb/hr

Authority for Requirement: LCPH ATI 2620 / PTO 2464

#### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week

have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 37**

### Associated Equipment

Associated Emission Unit ID Number: 37

Emissions Control Equipment: 37

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 37

Emission Unit Description: Meal Tank #6

Raw Material/Fuel: Soybean Meal

Rated Capacity: 97 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 0.14 lb/hr

Authority for Requirement: LCPH ATI 2621 / PTO 2463

#### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week

have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)



## **Emission Point ID Number: 40**

### Associated Equipment

Associated Emission Unit ID Numbers: 40

Emissions Control Equipment: 40

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 40

Emission Unit Description: Grain Dryer Aspiration Dust Collector

Raw Material/Fuel: Soybeans

Rated Capacity: 127 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 0%

Authority for Requirement: 40 CFR 60.302(b)(2) Subpart DD  
567 IAC 23.1(2) ooo  
LCO10.9 (2) a (67)

Pollutant: Particulate Matter

Emission Limit(s): 0.01 gr./dscf

Authority for Requirement: 40 CFR 60.302(b)(2) Subpart DD  
567 IAC 23.1(2) ooo  
LCO10.9 (2) a (67)

#### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **NSPS Requirements:**

Method 9 and the procedures in 40 CFR 60.11(b) shall be used to determine opacity. The opacity standard shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. 40 CFR 60.11(c)

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is

not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. 40 CFR 60.11(d)

The permittee shall not build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. 40 CFR 60.12

Authority for Requirement: 567 IAC 23.1(2)

### **Control Equipment Parameters:**

A bag filter dust collector shall be maintained on this source in a good operating condition. A preventative maintenance plan shall be followed to ensure continued compliance with the emission limit. This source shall install a pressure drop gauge for the baghouse in an easily accessible area. This gauge shall be maintained in a good operating condition at all times.

Authority for Requirement: LCPH ATI 3708 / PTO 3556

### **Operating Limits:**

Air flow to the baghouse shall be limited to 9000 scfm. Any increase in airflow would be considered a major modification and trigger a new ATI.

The source shall be maintained so no fugitive dust is generated at the point of loading and/or any other point throughout the process.

Authority for Requirement: LCPH ATI 3708 / PTO 3556

### **Compliance Monitoring:**

Daily pressure drop readings and/or visual check. All monitors shall be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 3708 / PTO 3556

### **Reporting & Record keeping:**

A logbook of operations for this source shall be maintained. The following information shall be recorded and kept on site for at least five (5) years.

- Daily pressure drop readings and/or visual check.

These records shall be available on site for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 3708 / PTO 3556

### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective

action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity (>0 %) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Maintain a written record of the observation and any action resulting from the observation.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 41**

### Associated Equipment

Associated Emission Unit ID Numbers: 41

Emissions Control Equipment: 41

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 41

Emission Unit Description: House Keeping Prep Vacuum Cleaning

Raw Material/Fuel: Materials Spilled on the Floor

Rated Capacity: 0.5 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO10.7

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr./scf

Authority for Requirement: 567 IAC 23.3(2)"a"(2)  
LCO 10.9(1)"a"

#### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week

have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 42**

### Associated Equipment

Associated Emission Unit ID Numbers: 42

Emissions Control Equipment: 42

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 42

Emission Unit Description: Clay Tank Aspiration

Raw Material/Fuel: Clay

Rated Capacity: 1.0 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCO 10.7

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"(2)  
LCO 10.9(1)"a"

### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

#### **Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week

have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 43**

### Associated Equipment

Associated Emission Unit ID Numbers: 43

Emissions Control Equipment: 43

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 43

Emission Unit Description: 44 Meal Truck Load Out

Raw Material/Fuel: Soybean Meal

Rated Capacity: 187.5 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from each emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 2327 / PTO 2257  
LCO 10.7

Pollutant: PM-10

Emission Limit(s): 5.85 tpy, 2.25 lbs/hr, 0.02 gr/scf

Authority for Requirement: LCPH ATI 2327 / PTO 2257

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"(2)  
LCO 10.9(1)"a"

#### **Operational Limits & Requirements**

*The owner/operator of each equipment shall comply with the operational limits and requirements listed below.*

#### **Control Device:**

A bag filter dust collector shall be maintained on this source in a good operating condition. A preventative maintenance plan shall be followed to ensure continued compliance with the emission limits of this permit.

This source shall have a pressure drop gauge for the baghouse in an easily accessible area. This gauge shall be maintained in a good operating condition at all times.

Authority for Requirement: LCPH ATI 2327 / PTO 2257



**Operating Limits:**

Airflow to the baghouse shall be limited to 17,500 scfm. Any increase in airflow would be considered a modification and would necessitate a new authorization to install permit.

The maximum process (loadout) rate shall be limited to 375,000 lbs/hr.

This source shall be limited to a monthly average of 100 hours of operation per week.

The source shall be maintained so no fugitive dust is generated at the point of loading and/or any other point throughout the process.

Authority for Requirement: LCPH ATI 2327 / PTO 2257

**Compliance Monitoring:**

The following information shall be monitored:

- Hours of operation
- Process (loadout) rate lbs/hr

All monitors shall be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 2327 / PTO 2257

**Record keeping Requirements:**

A logbook of operations for this source shall be maintained. The following information shall be recorded and kept on site for a period of no less than five years.

- Monthly average for the hours of operation per week.
- Average weekly loadout rate.

These records shall be available on site for viewing by air pollution control personnel

Authority for Requirement: LCPH ATI 2327 / PTO 2257

**Reporting:**

Submit a quarterly report summarizing the record keeping requirements. The report shall be submitted by the 15<sup>th</sup> day of the month following the end of a quarter (i.e. Jan. 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup>, Oct. 15<sup>th</sup>).

Authority for Requirement: LCPH ATI 2327 / PTO 2257

**Monitoring Requirements**

*The owner/operator of either equipment shall comply with the monitoring requirements listed below.*

**Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and

corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 44**

### Associated Equipment

Associated Emission Unit ID Numbers: 44

Emissions Control Equipment: 44

Emissions Control Equipment Description: Baghouse

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### **Applicable Requirements**

Emission Unit vented through Emission Point 44: 44

Emission Unit Description: 48 Meal Truck Load Out

Raw Material/Fuel: Soybean Meal

Rated Capacity: 187.5 tons/hr

#### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from each emission point shall not exceed the levels specified below.*

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 2326 / PTO 2258  
LCO 10.7

Pollutant: PM-10

Emission Limit(s): 5.85 tpy, 2.25 lbs/hr, 0.02 gr/scf

Authority for Requirement: LCPH ATI 2326 / PTO 2258

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"(2)  
LCO 10.9(1)"a"

#### **Operational Limits & Requirements**

*The owner/operator of each equipment shall comply with the operational limits and requirements listed below.*

#### **Control Device:**

A bag filter dust collector shall be maintained on this source in a good operating condition. A preventative maintenance plan shall be followed to ensure continued compliance with the emission limits of this permit.

This source shall have a pressure drop gauge for the baghouse in an easily accessible area. This gauge shall be maintained in a good operating condition at all times.

Authority for Requirement: LCPH ATI 2326 / PTO 2258

**Operating Limits:**

Airflow to the baghouse shall be limited to 17,500 scfm. Any increase in airflow would be considered a modification and would necessitate a new authorization to install permit.

The maximum process (loadout) rate shall be limited to 375,000 lbs/hr.

This source shall be limited to a monthly average of 100 hours of operation per week.

The source shall be maintained so no fugitive dust is generated at the point of loading and/or any other point throughout the process.

Authority for Requirement: LCPH ATI 2326 / PTO 2258

**Compliance Monitoring:**

The following information shall be monitored:

- Hours of operation
- Process (loadout) rate lbs/hr

All monitors shall be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 2326 / PTO 2258.

**Record keeping Requirements:**

A logbook of operations for this source shall be maintained. The following information shall be recorded and kept on site for a period of no less than five years.

- Monthly average for the hours of operation per week.
- Average weekly loadout rate.

These records shall be available on site for viewing by air pollution control personnel.

Authority for Requirement: LCPH ATI 2326 / PTO 2258.

**Reporting:**

Submit a quarterly report summarizing the record keeping requirements. The report shall be submitted by the 15<sup>th</sup> day of the month following the end of a quarter (i.e. Jan. 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup>, Oct. 15<sup>th</sup>).

Authority for Requirement: LCPH ATI 2326 / PTO 2258.

**Monitoring Requirements**

*The owner/operator of either equipment shall comply with the monitoring requirements listed below.*

**Opacity Monitoring:**

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. The records shall be maintained for five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not cause a change in the visible emissions reading, then a Method 9 reader will be brought in to determine if a violation has occurred. If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the

observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☒ No ☐

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☐ No ☒

*Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.*

*Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.*

*Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.*

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 11**

### Associated Equipment

Associated Emission Unit ID Numbers: 11

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 11

Emission Unit Description: Emergency Vent- Crown Exhaust Fan

Raw Material/Fuel: Hexane Vapors

Rated Capacity: 300 CFM

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

See Plant Wide Conditions

Authority for Requirement: LCPH ATI 1977 / PTO 4454  
40 CFR 70.6(a)(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Operating Limits:**

See Plant Wide Conditions.

Authority for Requirement: LCPH ATI 1977 / PTO 4454  
40 CFR 70.6 (a)(3)

#### **Operating Condition Monitoring and Record Keeping:**

See Plant Wide Conditions.

Authority for Requirement: LCPH ATI 1977 / PTO 4454  
40 CFR 70.6 (a)(3)

#### **Quarterly Report Requirements:**

See Plant Wide Conditions.

Authority for Requirement: LCPH ATI 1977 / PTO 4454  
40 CFR 70.6 (a)(3)

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height (ft, from ground): 57'

Discharge Style: Horizontal

Stack Opening (inches, diameter): 18" x 27"

Exhaust Temperature (°F): Ambient

Exhaust Flowrate (scfm): 300

Authority for Requirement: LCPH ATI 1977 / PTO 4454

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the mission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

**Monitoring Requirements**

*The owner/operator of this equipment shall comply with the periodic requirements listed below.*

See Plant-Wide Conditions for Periodic Monitoring Requirements.

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☒ No ☐

See Emission Point 12 CAM Plan.

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: 12**

### Associated Equipment

Associated Emission Unit ID Numbers: 12

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### **Applicable Requirements**

Emission Unit vented through this Emission Point: 12  
Emission Unit Description: Mineral Oil Scrubber for Hexane  
Raw Material/Fuel: Hexane Vapors  
Rated Capacity: 200 CFM Hexane Laden Air

### **Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

*The emissions from this emission point shall not exceed the levels specified below.*

See Plant Wide Conditions

Authority for Requirement: LCPH ATI 218 / PTO 4455  
40 CFR 70.6(a)(3)

### **Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

#### **Control Device:**

A mineral oil scrubber shall be used to control hexane emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in the "Operating Condition Monitoring and Record Keeping" section shall be installed, maintained and operating during the operation of the emission unit and control device at all times.

Authority for Requirement: LCPH ATI 218 / PTO 4455

#### **Operating Limits:**

See Plant Wide Conditions.

Authority for Requirement: LCPH ATI 218 / PTO 4455  
40 CFR 70.6 (a)(3)

#### **Operating Condition Monitoring and Record Keeping:**

See Plant Wide Conditions.

Authority for Requirement: LCPH ATI 218 / PTO 4455  
40 CFR 70.6 (a)(3)

#### **Quarterly Report Requirements:**

See Plant Wide Conditions.

Authority for Requirement: LCPH ATI 218 / PTO 4455  
40 CFR 70.6 (a)(3)



### **Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height (ft, from ground): 54'  
Discharge Style: Vertical  
Stack Opening (inches, diameter): 4"  
Exhaust Temperature (°F): Ambient  
Exhaust Flowrate (scfm): 200  
Authority for Requirement: LCPH ATI 218 / PTO 4455

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the mission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

### **Monitoring Requirements**

*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

See Plant-Wide Conditions for Periodic Monitoring Requirements.

**Agency Approved Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?** Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes ☒ No ☐

Authority for Requirement: 567 IAC 22.108(3)

## **CAM Plan for EP 45 (EP 11 & 12) Mineral Oil Scrubber for Hexane**

### **I. Background**

#### **A. Emissions Unit**

Description: Final Vent and Fugitives  
Identification: EP 45 (EPs 11&12)  
Facility: Cargill Soybean East Plant  
Cedar Rapids, Iowa

#### **B. Applicable Regulation, Emission Limit, and Monitoring Requirements**

Regulation No.: LCPH ATI 1977 / PTO 4454 (EP 11)  
LCPH ATO 218 / PTO 4455 (EP 12)  
VOC emission limit: 630 tons/yr  
Monitoring Requirements: Mineral oil scrubber (MOS) operating parameters.

- C. Control Technology
  - Mineral oil scrubber (MOS)

## II. Monitoring Approach

### A. Indicators

Calculated 12-month rolling total hexane losses, mineral oil temperature and flow rate will be used as indicators.

### B. Measurement Approach

Mass-balance calculations will use the facility's hexane purchase records. The scrubber's mineral oil flow rate and temperature are monitored.

### C. Indicator Ranges

The indicator levels for the scrubber are a mineral oil flow rate between 5 and 25 gallons per minute and a mineral oil temperature between 40 degrees F and 100 degrees

### D. QIP (Quality Improvement Plan) Threshold

The Quality Improvement Plan (QIP) thresholds are six excursions total of either the mineral oil flow rate or the mineral oil temperature in one six month reporting period or one instance of 12-month rolling total hexane emissions greater than 630 tons. The 12-month rolling totals will be recalculated and recorded each month.

### E. Performance Criteria

Data representativeness:

The mineral oil scrubber is designed to operate at maximum control efficiency at specific mineral oil flow rate and temperature ranges. The scrubber equipment has real-time sensors for both flow rate and temperature, which are recorded a minimum of once per day. If the flow rate or temperature have drifted out of the optimal efficiency range, this is an indication of the potential for increased hexane emissions.

Facility hexane losses, determined from hexane make-up solvent purchases, is representative of the scrubber's operation.

Verification of operational status:

Mineral oil flow rate and temperature are monitored to insure proper operation of the mineral oil scrubber. The scrubber equipment will be maintained in good working condition according to the manufacturer's O&M procedures.

QA/QC practices and criteria:

Monitoring the mineral oil flow rate and temperature will serve to alert the facility in circumstances when the mineral oil scrubber

experiences short-term excursions. Any recorded flow rate or temperature outside of the indicator range will signify an excursion.

When an excursion occurs, corrective action will be initiated within 8 hours, beginning with an evaluation of the occurrence to determine the action required. After any necessary corrective action has been taken, a follow-up check will be performed to insure that the indicator is within the indicator range.

Monitoring frequency and data collection procedures:

The mineral oil flow rate and temperature sensors provide real-time readings which are recorded a minimum of once per day when the facility's emission unit is in operation.

Facility hexane losses will be calculated using material mass balance. Hexane losses will be assumed to equal all new hexane purchases made to maintain the facility's inventory. Each month, the facility calculates and records the 12-month rolling total hexane emissions for the facility.

### III. Justification

#### A. Background

This facility processes soybeans to extract vegetable oils. The pollutant specific emission unit is the soybean oil extraction and refinement unit that uses hexane as solvent. Hexane emissions are controlled by a Mineral Oil Scrubber.

#### B. Rationale for Selection of Performance Indicator

The scrubber's mineral oil flow rate and temperature were selected as the performance indicators as they are indicative of operation of the scrubber in a manner necessary to maximize collection and reuse of hexane and minimize emissions. An excursion of these indicators out of the optimal operating range indicates a possibility of reduced performance of the scrubber.

Facility 12-month rolling total hexane emissions are used as long-term performance indicator. An excursion of this indicator suggests generalized reduced performance of the mineral oil scrubber.

#### C. Rationale for Selection of Indicator Level

The mineral oil scrubber flow rate and temperature ranges are 5 to 25 gallons per minute and 40 to 100 F, respectively. These indicator ranges were selected because operation of the scrubber outside the optimal ranges for these parameters is indicative of a potential for increased hexane emissions.

The selected QIP thresholds are six excursions total of either the mineral oil flow rate or the mineral oil temperature in one six month reporting period or one instance in which the facility's 12-month rolling total hexane emissions exceed 630 tons. The 12-month rolling totals will be recalculated and recorded each month. This level is the facility's permitted annual emissions limit for hexane. If a QIP threshold is exceeded once, a QIP will be developed and implemented.

## **IV. General Conditions**

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

### **G1. Duty to Comply**

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. *567 IAC 22.108(9)"a"*
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. *567 IAC 22.105 (2)"h"(3)*
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. *567 IAC 22.108 (1)"b"*
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. *567 IAC 22.108 (14)*
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. *567 IAC 22.108 (9)"b"*

### **G2. Permit Expiration**

1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Urbandale, Iowa 50322, four or more copies of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

### **G3. Certification Requirement for Title V Related Documents**

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *567 IAC 22.107 (4)*

### **G4. Annual Compliance Certification**

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides

for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 22.108 (15)"e"*

#### **G5. Semi-Annual Monitoring Report**

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 22.108 (5)*

#### **G6. Annual Fee**

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
  - a. Form 1.0 "Facility Identification";
  - b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
  - c. Form 5.0 "Title V annual emissions summary/fee"; and
  - d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
  - a. Form 1.0 "Facility Identification";
  - b. Form 5.0 "Title V annual emissions summary/fee";
  - c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

#### **G7. Inspection of Premises, Records, Equipment, Methods and Discharges**

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b"*

#### **G8. Duty to Provide Information**

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e"*

#### **G9. General Maintenance and Repair Duties**

The owner or operator of any air emission source or control equipment shall:

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. *567 IAC 24.2(1)*

#### **G10. Recordkeeping Requirements for Compliance Monitoring**

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:

- a. The date, place and time of sampling or measurements
- b. The date the analyses were performed.
- c. The company or entity that performed the analyses.
- d. The analytical techniques or methods used.
- e. The results of such analyses; and
- f. The operating conditions as existing at the time of sampling or measurement.
- g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)

2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.

3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:

- a. Comply with all terms and conditions of this permit specific to each alternative scenario.
- b. Maintain a log at the permitted facility of the scenario under which it is operating.
- c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

**G11. Evidence used in establishing that a violation has or is occurring.**

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:

- a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;
- b. Compliance test methods specified in 567 Chapter 25; or
- c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.

2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:

- a. Any monitoring or testing methods provided in these rules; or
- b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

**G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification**

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

**G13. Hazardous Release**

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

**G14. Excess Emissions and Excess Emissions Reporting Requirements**

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review



of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

## 2. Excess Emissions Reporting

a. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1) ) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:

- i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and expected duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps being taken to remedy the excess emission.
- vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
- vi. The steps that were taken to limit the excess emission.
- vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. 567 IAC 24.1(1)-567 IAC 24.1(4)

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore

normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
- b. The facility at the time was being properly operated;
- c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
- d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

#### **G15. Permit Deviation Reporting Requirements**

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

#### **G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations**

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)*

#### **G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification**

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
  - a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
  - b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
  - c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
  - d. The changes are not subject to any requirement under Title IV of the Act.
  - e. The changes comply with all applicable requirements.
  - f. For such a change, the permitted source provides to the department and the

administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:

- i. A brief description of the change within the permitted facility,
- ii. The date on which the change will occur,
- iii. Any change in emission as a result of that change,
- iv. The pollutants emitted subject to the emissions trade
- v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
- vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
- vii. Any permit term or condition no longer applicable as a result of the change.

*567 IAC 22.110(1)*

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*

4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*

5. Aggregate Insignificant Emissions. The permittee shall not construct, establish or operate any new insignificant activities or modify any existing insignificant activities in such a way that the emissions from these activities no longer meet the criteria of aggregate insignificant emissions. If the aggregate insignificant emissions are expected to be exceeded, the permittee shall submit the appropriate permit modification and receive approval prior to making any change. *567 IAC 22.103(2)*

6. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

#### **G18. Duty to Modify a Title V Permit**

##### **1. Administrative Amendment.**

a. An administrative permit amendment is a permit revision that is required to do any of the following:

- i. Correct typographical errors
- ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
- iii. Require more frequent monitoring or reporting by the permittee; or
- iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility,

coverage and liability between the current and new permittee has been submitted to the director.

b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

## 2. Minor Permit Modification.

a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:

i. Do not violate any applicable requirements

ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.

iii. Do not require or change a case by case determination of an emission limitation or other standard, or increment analysis.

iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;

v. Are not modifications under any provision of Title I of the Act; and

vi. Are not required to be processed as significant modification.

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:

i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.

ii. The permittee's suggested draft permit

iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and

iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit terms and conditions it seeks to modify may subject the facility to enforcement action.

## 3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V

modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. *567 IAC 22.111-567 IAC 22.113* The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.105(1)"a"(4)*

#### **G19. Duty to Obtain Construction Permits**

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. *567 IAC 22.1(1)*

#### **G20. Asbestos**

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when conducting any renovation or demolition activities at the facility. *567 IAC 23.1(3)"a", and 567 IAC 23.2*

#### **G21. Open Burning**

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. *567 IAC 23.2 except 23.2(3)"h"; 567 IAC 23.2(3)"h" - State Only*

#### **G22. Acid Rain (Title IV) Emissions Allowances**

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

#### **G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements**

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

- a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
- b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
- c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
- d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
  - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,
5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

#### **G24. Permit Reopenings**

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
- a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
  - b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to June 25, 1993.
  - c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*

3. A permit shall be reopened and revised under any of the following circumstances:
  - a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to June 25, 1993, provided that the reopening may be stayed pending judicial review of that determination;
  - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
  - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
  - d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
  - e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*
4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

#### **G25. Permit Shield**

Compliance with the conditions of this permit shall be deemed compliance with the applicable requirements included in this permit as of the date of permit issuance.

This permit shield shall not alter or affect the following:

1. The provisions of section 303 of the Act (emergency orders), including the authority of the administrator under that section;
2. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
3. The applicable requirements of the acid rain program, consistent with section 408(a) of the Act;
4. The ability of the department or the administrator to obtain information from the facility pursuant to section 114 of the Act. *567 IAC 22.108 (18)*

**G26. Severability**

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. 567 IAC 22.108 (8)

**G27. Property Rights**

The permit does not convey any property rights of any sort, or any exclusive privilege. 567 IAC 22.108 (9)"d"

**G28. Transferability**

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. 567 IAC 22.111 (1)"d"

**G29. Disclaimer**

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. 567 IAC 22.3(3)"c"

**G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification**

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with an applicable requirement. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator  
Iowa DNR, Air Quality Bureau  
7900 Hickman Road, Suite #1  
Urbandale, IA 50322  
(515) 242-6001

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.

567 IAC 25.1(7)"a", 567 IAC 25.1(9)



### **G31. Prevention of Air Pollution Emergency Episodes**

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.  
*567 IAC 26.1(1)*

### **G32. Contacts List**

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits  
EPA Region 7  
Air Permits and Compliance Branch  
901 N. 5<sup>th</sup> Street  
Kansas City, KS 66101  
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

*Chief, Air Quality Bureau  
Iowa Department of Natural Resources  
7900 Hickman Road, Suite #1  
Urbandale, IA 50322  
(515) 242-5100*

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

#### **Field Office 1**

909 West Main – Suite 4  
Manchester, IA 52057  
(563) 927-2640

#### **Field Office 2**

P.O. Box 1443  
2300-15th St., SW  
Mason City, IA 50401  
(641) 424-4073

#### **Field Office 3**

1900 N. Grand Ave.  
Spencer, IA 51301  
(712) 262-4177

#### **Field Office 4**

1401 Sunnyside Lane  
Atlantic, IA 50022  
(712) 243-1934

#### **Field Office 5**

401 SW 7<sup>th</sup> Street, Suite I  
Des Moines, IA 50309  
(515) 725-0268

#### **Field Office 6**

1004 W. Madison  
Washington, IA 52353  
(319) 653-2135

#### **Polk County Public Health Dept.**

Air Quality Division  
5885 NE 14th St.  
Des Moines, IA 50313  
(515) 286-3351

#### **Linn County Public Health Dept.**

Air Quality Division  
501 13th St., NW  
Cedar Rapids, IA 52405  
(319) 892-6000

**Appendix A: .....Consent Order No. 2003-AQ-25**

**IOWA DEPARTMENT OF NATURAL RESOURCES  
ADMINISTRATIVE ORDER**

IN THE MATTER OF:	ADMINISTRATIVE CONSENT ORDER
Cargill, Incorporated East Plant Cedar Rapids, Iowa	NO. 2003-AQ- 25

TO: Cargill, Incorporated  
CT Corporation System, Registered Agent  
2222 Grand Avenue  
Des Moines, Iowa 50312

Cargill, Incorporated  
c/o Steven J. Pace, Attorney  
500 Firststar Bank Building  
P.O. Box 2107  
Cedar Rapids, Iowa 52406-2107

**I. SUMMARY**

This consent order is a stipulated settlement agreement entered into between Cargill, Incorporated (Cargill) and the Iowa Department of Natural Resources (DNR) for the purpose of resolving the appeal of Title V Operating Permit No. 99-TV-044, issued October 5, 1999, for the Cargill plant located at 411 – 6<sup>th</sup> Street N.E., Cedar Rapids, Iowa. In the interest of resolving all appealed matters between them, the parties have agreed to the provisions below.

**II. STATEMENT OF FACTS**

1. On July 30, 1999, Cargill petitioned in Linn County District Court for a Writ of Certiorari against the Linn County Health Department (LCHD) (Docket #LACV035687). With this action, Cargill timely appealed the issuance of amendments to two construction permits. The amendments were issued by the LCHD on March 22 and July 1, 1999.

2. On October 5, 1999, DNR issued Title V Operating Permit No. 99-TV-044 to Cargill for its facility located at 411 – 6<sup>th</sup> Street N.E., Cedar Rapids, Iowa. The permit was timely appealed. The provisions of the appealed LCHD construction permit amendments had been incorporated into the Title V permit issued by DNR.

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**IOWA DEPARTMENT OF NATURAL RESOURCES  
ADMINISTRATIVE ORDER  
ISSUED TO: Cargill, Incorporated**

3. In the interest of avoiding litigation and to resolve their differences, the parties have reached the agreement set forth in this document. The draft Title V Operating Permit agreed to between the parties is attached to this consent order as Exhibit "A" and is by this reference made a part hereof. The parties agree that it is their intention that the terms of the Title V operating permit set out in Exhibit "A" be the terms of the Title V operating permit for the Cargill plant located at 411 – 6<sup>th</sup> Street N.E., Cedar Rapids, Iowa for a five-year operating permit term beginning with the issuance of this renewal permit and ending five years from the date of issuance. DNR's intent with respect to the language of this draft permit is subject to change only upon consideration of comments received during required comment periods. The parties agree that the term of the Title V operating permit issued on October 5, 1999, shall end upon the issuance of this renewal permit.

4. According to the provisions of 567 Iowa Administrative Code section 22.116(1), DNR is required to allow the public, affected states and the U.S. Environmental Protection Agency (EPA) an opportunity to comment regarding this Title V permit renewal. Cargill reserves the right to appeal any and all of the changes to the draft Title V operating permit which are made by DNR upon consideration of comments received during the required comment periods.

5. The draft Title V permit attached as Exhibit "A" shall become effective at such time as it is issued by DNR after the comment periods and after changes made to the permit by DNR made necessary by comments received during the required comment periods as set forth above, but said permit shall be subject to Cargill's right to appeal as set forth herein.

6. Subject to the above, with the issuance of this administrative consent order, Cargill and DNR agree that the issues of the appeal of Title V Operating Permit No. 99-TV-044 are settled.

7. Cargill, DNR and Linn County have agreed to settle all matters set forth in LACV035687 and have agreed that said action should be dismissed with prejudice.

**III. CONCLUSIONS OF LAW**

1. Pursuant to the provisions of Iowa Code section 455B.134(9), which authorize the Director to issue any order necessary to secure compliance with Iowa Code chapter 455B, Division II (air quality), and the rules promulgated and permits issued pursuant thereto, this Department has jurisdiction to issue this order.

2. Cargill's plant located at 411 – 6<sup>th</sup> Street N.E., Cedar Rapids, Iowa, is a Title V affected facility within the meaning of 567 Iowa Administrative Code 22.101.

**IOWA DEPARTMENT OF NATURAL RESOURCES  
ADMINISTRATIVE ORDER  
ISSUED TO: Cargill, Incorporated**

This facility is required to have a Title V operating permit according to the provisions of 567 I.A.C. 22.101(1).

3. Iowa Code section 455B.133 provides for the Environmental Protection Commission to establish rules governing the quality of air and emission standards. Iowa Code section 455B.134(3) provides that the director of DNR shall grant, modify, suspend, terminate, revoke, reissue or deny permits for the construction or operation of new, modified, or existing air contaminant sources and for related control equipment. Emissions units at this facility are sources of emissions to the outside atmosphere and require air quality construction permits according to the provisions of Iowa Code section 455B.134(3) and 567 I.A.C. 22.1(1).

4. The changes to Title V Operating Permit No. 99-TV-044 which are intended to occur as a result of this administrative consent order will constitute a renewal of the Title V permit within the meaning of 567 I.A.C. 22.100. Therefore, according to the provisions of 567 I.A.C. 22.116(1), these changes require public participation, review by affected states, and review by EPA in accordance with the provisions of 567 I.A.C. 22.107(7).

5. Pursuant to the provisions of 567 Iowa Administrative Code Chapter 27, DNR has delegated the responsibility to issue air quality construction permits to the Linn County Health Department. DNR has the authority to enforce these delegated matters and to settle the issues raised in this appeal and the Linn County District Court action referred to herein.

**IV. ORDER**

Therefore, Cargill, Incorporated (Cargill) and the Iowa Department of Natural Resources (DNR) agree:

1. The draft Title V Operating Permit attached hereto as "Exhibit A" shall become the operating permit for the term beginning with the issuance of this renewal permit and ending five years from the date of issuance, unless comments received from EPA, affected states or members of the public during the required comment periods necessitate, in the opinion of DNR, changes to the draft permit attached as Exhibit "A". The term of the Title V operating permit issued on October 5, 1999, shall end upon the issuance of this renewal permit.

2. In the event that changes are made to the draft permit as the result of EPA or public comment, then the parties agree that DNR shall provide a draft of the proposed changes to Cargill within 30 days of the end of the EPA comment period. Cargill shall provide its written response to the draft of the proposed changes within 30 days of receipt of the proposed changes. If the parties cannot reach agreement regarding the proposed changes, then the parties shall meet to discuss the proposed changes at least once within

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ADMINISTRATIVE ORDER  
ISSUED TO: Cargill, Incorporated**


30 days of DNR's receipt of Cargill's written response. Cargill retains all its appeal rights regarding any such proposed changes.

3. With the issuance of this consent order, Cargill and DNR agree that the issues of the appeals of Title V Operating Permit No. 99-TV-044 are settled.

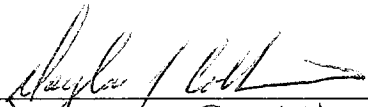
4. As soon as possible after issuance of this administrative consent order by DNR, Cargill shall request that Linn County Case No. LACV035687 be dismissed with prejudice. .

**V. WAIVER OF APPEAL RIGHTS**

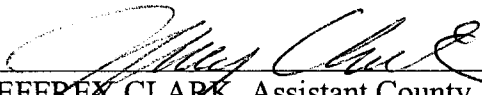
This order is entered into knowingly by and with the consent of Cargill, Incorporated. For that reason, Cargill waives its right to appeal this order or any part thereof, except as specifically reserved herein.

  
\_\_\_\_\_  
JEFFREY R. VONK, DIRECTOR  
Iowa Department of Natural Resources

Dated this 21 day of  
July, 2003.

By:   
\_\_\_\_\_  
Name: Douglas J. Collison  
Title: V.P. Operations at Oakes Bluffs  
CARGILL, INCORPORATED

Dated this 5<sup>th</sup> day of  
May, 2003.

  
\_\_\_\_\_  
JEFFREY CLARK, Assistant County Attorney for  
for LINN COUNTY

Dated this 14<sup>TH</sup> day of  
July, 2003.

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